

## S&MA Mission Services Technical Directive

<b>Control No:</b> 0151	<b>Org. Code:</b> QD10	<b>Project Code:</b> DART	<b>Contract #:</b> NAS8-00179
<b>Originator:</b> QD10/ Van Strickland <i>Van L. Strickland</i>		<b>Date:</b> <i>4/29/05</i>	
<b>Office Manager's Signature:</b> QD10/AI Clark <i>Alan L. Clark</i>		<b>Date:</b> <i>4/29/05</i>	
<b>COTR's Signature:</b> QD01/Terry Hamm <i>Terry J. Hamm</i>		<b>Date:</b> <i>4-21-05</i>	
<b>CO's Signature:</b> PS33/Lee Whalen <i>Lee Whalen</i>		<b>Date:</b> <i>4/21/05</i>	

**Subject:** Additional Support to S&MA for The Development of Autonomous Rendezvous Technology (DART) Project.

**Task Description:** The Development of Autonomous Rendezvous Technology (DART) Project had a failure in the final hours of its mission, April 15, 2005. This failure subsequently was deemed a Type A Mishap, requiring a formal Investigation Review Board. To support this investigation, HEI is requested to provide the following: (PWS 6.3.2). HEI will serve as an assistant to the DART Project Mishap Board Chairman during the upcoming DART Mishap Investigation. Assistance for the Chairman will range from:

- 1) Ensuring that impounded equipment, documents, data and records are properly secured and protected as required by paragraph 3.2.b, (page 9), OSP DART Plan -007, Rev A, dated March, 2005 and entitled "DART Pre-Mishap Plan, Contingency Notification Process",
- 2) Overview the Mishap Investigation Process,
- 3) Aid in preparing for the investigation,
- 4) Travel, as required, to DART Contractor Facilities to protect the integrity of the Contractor's personal lap top computers, (impounded by the Project at the mission control site). Computers are encrypted and password locked such that downloading will be impossible unless performed by owner. Encrypted data will be the most useful data available in finding root cause of failure.,
- 5) Development of Lessons Learned Report,
- 6) Development and Distribution of Mishap Report,
- 7) Formulation of Records Retention File,
- 8) Other S&MA related duties as assigned.

(b)(4)

Pursuant to article H.7 of the contract entitled "Special Studies," subject to the following conditions:

This direction is consistent with the general scope of work set forth in this contract, does not constitute new assignments of work or change to the expressed terms, conditions or specifications incorporated into the contract, and does not constitute a basis for any increase in the contract fee or extension to the contract fee or extension to the contract delivery schedule.

In the event of any exception, proceed with work under this directive, but promptly notify the contracting officer in writing within ten (10) days. Failure to notify the contracting officer will constitute acceptance by the contractor of the technical directive and all the conditions pertaining to its issuance.

This technical directive does not increase or obligate any additional funds for performance of the contract scope of work, therefore, nothing contained herein authorizes your incurrence of costs in excess of that presently authorized by the clause of this contract entitled "Limitation of Government's Obligation," or "Limitations of Cost," as applicable.

**Deliverables:** Support of various processes during investigation and development of reports defined in Description.

**Duration:** ~~Task will end on September 30, 2005~~

*Eight (8) weeks, JH*

**Report Progress To:**  
S&MA Lead

**Frequency of Report:**  
As Requested

**Special Study  
Task Directive 151  
Contract NAS8-00179**

The Development of Autonomous Rendezvous Technology (DART) Project had a failure in the final hours of its mission, April 15, 2005. This failure subsequently was deemed a Type A Mishap, requiring a formal Investigation Review Board. To support this investigation, HEI is requested to provide the following: (PWS 6.3.2). HEI will serve as an assistant to the DART Project Mishap Board Chairman during the upcoming DART Mishap Investigation.

During the first four weeks of the Special Study Task Directive the following tasks will be performed:

- 1) Ensuring that impounded equipment, documents, data and records are properly secured and protected as required by paragraph 3.2.b, (page 9), OSP DART Plan -007, Rev A, dated March, 2005 and entitled "DART Pre-Mishap Plan, Contingency Notification Process"
- 2) Overview the Mishap Investigation Process
- 3) Aid in preparing for the investigation
- 4) Travel, as required, to DART Contractor Facilities to protect the integrity of the Contractor's personal lap top computers, (impounded by the Project at the mission control site).

**Deliverables:**

Support of various processes during investigation and development of reports defined in Description.